Chang-Koon Choi

List of Publications by Year
in descending order

46 papers	774 citations	471509 17 h-index	526287 27 g-index
46 all docs	46 docs citations	46 times ranked	405 citing authors

#	Article	IF	Citations
1	A new three-dimensional finite element analysis model of high-speed train–bridge interactions. Engineering Structures, 2003, 25, 1611-1626.	5.3	134
2	Tension stiffening model for planar reinforced concrete members. Computers and Structures, 1996, 59, 179-190.	4.4	67
3	Adaptive crack propagation analysis with the element-free Galerkin method. International Journal for Numerical Methods in Engineering, 2003, 56, 331-350.	2.8	38
4	A conoidal shell analysis by modified isoparametric element. Computers and Structures, 1984, 18, 921-924.	4.4	31
5	Stochastic finite element analysis of plate structures by weighted integral method. Structural Engineering and Mechanics, 1996, 4, 703-715.	1.0	30
6	Error estimates and adaptive time stepping for various direct time integration methods. Computers and Structures, 1996, 60, 923-944.	4.4	29
7	Three dimensional transition solid elements for adaptive mesh gradation. Structural Engineering and Mechanics, 1993, 1, 61-74.	1.0	27
8	Defect-free 4-node flat shell element: NMS-4F element. Structural Engineering and Mechanics, 1999, 8, 207-231.	1.0	25
9	Coupled use of reduced integration and non-conforming modes in quadratic Mindlin plate element. International Journal for Numerical Methods in Engineering, 1989, 28, 1909-1928.	2.8	24
10	Conforming and nonconforming transition plate bending elements for an adaptive h-refinement. Thin-Walled Structures, 1997, 28, 1-20.	5.3	24
11	Improvement of quadratic finite element for Mindlin plate bending. International Journal for Numerical Methods in Engineering, 1992, 34, 197-208.	2.8	23
12	An adaptive h-refinement using transition element for plate bending problems. International Journal for Numerical Methods in Engineering, 1992, 35, 145-163.	2.8	23
13	Nonconforming transition plate bending elements with variable mid-side nodes. Computers and Structures, 1989, 32, 295-304.	4.4	22
14	Versatile Variable-Node Flat-Shell Element. Journal of Engineering Mechanics - ASCE, 1996, 122, 432-441.	2.9	21
15	Efficient remedy for membrane locking of 4-node flat shell elements by non-conforming modes. Computer Methods in Applied Mechanics and Engineering, 2003, 192, 1961-1971.	6.6	20
16	Weighted Integral SFEM Including Higher Order Terms. Journal of Engineering Mechanics - ASCE, 2000, 126, 859-866.	2.9	18
17	Direct modification for non-conforming elements with drilling DOF. International Journal for Numerical Methods in Engineering, 2002, 55, 1463-1476.	2.8	17
18	Stochastic Analysis of Shape Imperfection in RC Cooling Tower Shells. Journal of Structural Engineering, 2000, 126, 417-423.	3.4	16

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19	Transition membrane elements with drilling freedom for local mesh refinements. Structural Engineering and Mechanics, 1995, 3, 75-89.	1.0	16
20	Quadratic NMS Mindlin-plate-bending element. International Journal for Numerical Methods in Engineering, 1999, 46, 1273-1289.	2.8	15
21	Nonconforming Finite Element Analysis of Shells. Journal of the Engineering Mechanics Division, 1975, 101, 447-464.	0.4	14
22	A gap element for three-dimensional elasto-plastic contact problems. Computers and Structures, 1996, 61, 1155-1167.	4.4	13
23	Wind load simulation for high-speed train stations. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 2042-2053.	3.9	13
24	Two-dimensional nonconforming finite elements: A state-of-the-art. Structural Engineering and Mechanics, 1998, 6, 41-61.	1.0	11
25	A direct modification method for strains due to non-conforming modes. Structural Engineering and Mechanics, 2001, 11, 325-340.	1.0	10
26	Adaptive finite element wind analysis with mesh refinement and recovery. Wind and Structures, an International Journal, 1998, 1, 111-125.	0.8	9
27	Nonconforming Variable-Node Axisymmetric Solid Element. Journal of Engineering Mechanics - ASCE, 2004, 130, 578-588.	2.9	8
28	Elasto-plastic nonconforming solid element with variable nodes. Structural Engineering and Mechanics, 1995, 3, 325-340.	1.0	8
29	The patch tests and convergence for nonconforming Mindlin plate bending elements. Structural Engineering and Mechanics, 1997, 5, 471-490.	1.0	8
30	Analysis of high-speed vehicle-bridge interactions by a simplified 3-D model. Structural Engineering and Mechanics, 2002, 13, 505-532.	1.0	8
31	Adaptive Refinement/Recovery for Analysis of Wind around Structure. Journal of Aerospace Engineering, 1999, 12, 168-175.	1.4	7
32	An adaptive control of spatial-temporal discretization error in finite element analysis of dynamic problems. Structural Engineering and Mechanics, 1995, 3, 391-410.	1.0	7
33	A simplified model for predicting the shear response of reinforced concrete membranes. Thin-Walled Structures, 1994, 19, 37-60.	5.3	6
34	Adaptive mesh refinement/recovery strategy for FEA. Structural Engineering and Mechanics, 2004, 17, 379-391.	1.0	6
35	Adaptive nodal generation with the element-free Galerkin method. Structural Engineering and Mechanics, 2000, 10, 635-650.	1.0	5
36	A new quadrilateral 5-node non-conforming membrane element with drilling DOF. Structural Engineering and Mechanics, 2002, 14, 699-712.	1.0	5

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37	Top-down geometric modelling of buildings on network database. CAD Computer Aided Design, 1993, 25, 468-478.	2.7	4
38	Variable-node axisymmetric solid element and its application to adaptive mesh refinement. Structural Engineering and Mechanics, 2001, 11, 443-460.	1.0	4
39	Non-conforming modes for improvement of finite element performance. Structural Engineering and Mechanics, 2002, 14, 595-610.	1.0	3
40	Unequally spaced non-periodic B-spline finite strip method. International Journal for Numerical Methods in Engineering, 2003, 57, 35-55.	2.8	2
41	Analysis of High-Speed Vehicle-Bridge Interactions. , 2000, , 1240.		1
42	A new ALE finite element techniques for wind-structure interactions. Wind and Structures, an International Journal, 2000, 3, 291-302.	0.8	1
43	Assumed strain finite strip method using the non-periodic B-spline. Structural Engineering and Mechanics, 2004, 18, 671-690.	1.0	1
44	Bluff bodjjy (Fundamental Study). Wind Engineers JAWE, 2001, 2001, 129-156.	0.1	0
45	Variable-node non-conforming membrane elements. Structural Engineering and Mechanics, 2003, 16, 479-492.	1.0	0
46	Reduced Integration, Nonconforming Modes, and their Coupling in Finite Elements. , 1986, , 165-170.		0